



DEC 17 1995

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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1 of 1

PTO/SB/08A (10-86)

<i>Substitute for form 1449A/PTO</i> INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE</i> C mplete if Known	
Sheet	1	of	1	Application Number	09/211,835
				Filing Date	December 15, 1998
				First Named Inventor	DANIEL R. KURZ
				Group Art Unit	3731
				Examiner Name	W. LEWIS
				Attorney Docket Number	MICRU-49655

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

~~Examiner Signature William Lewis Date Considered 3-20-00~~

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Sheet 1 of

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION <small>(Use Several Sheets If Necessary)</small>			ATTY. DOCKET NO. MICRU:49655	SERIAL NO. 625627 09/211,895		
			APPLICANT DANIEL R. KURZ			
			FILING DATE December 15, 1998	GROUP 3700		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL <i>DR</i>	DOCUMENT NUMBER 3,868,956	DATE MARCH 4, 1975	NAME ALFIDI ET AL.	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
	4,494,531	JANUARY 22, 1985	GIANTURCO			
	4,512,338	APRIL 23, 1985	BALKO ET AL.			
	4,748,986	JUNE 7, 1988	MORRISON ET AL.			
	4,994,069	FEBRUARY 19, 1991	KITCHART ET AL.			
	5,026,377	JUNE 25, 1991	BURTON ET AL.			
	5,108,407	APRIL 28, 1992	GEREMIA ET AL.			
	5,122,136	JUNE 16, 1992	GUGLIELMI ET AL.			
	5,217,484	JUNE 8, 1993	MARKS			
	5,228,453	JULY 20, 1993	SEPETKA			
	5,250,071	OCTOBER 5, 1993	PALERMO			
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	DOCUMENT NUMBER DB 4102550 A1	DATE 08/08/1991	COUNTRY GERMANY	CLASS	SUB CLASS	TRANSLATION YES NO
	UK 2 066 839 A	15 JULY 1981	UNITED KINGDOM			
	EP 0 183372 A1	04.06.86	EUROPE			
	EP 0 382014 A1	16.08.90	EUROPE			
	592.182	28 JULY, 1925	FRANCE			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
REFERENCES <i>DR</i>	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 15, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1117 - 1125 (1 OF 2)					
<i>DR</i>	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 22, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1174 - 1179 (2 OF 2)					
<i>DR</i>	ALEX BERENSTEIN, M.D. AND IRVIN I. KRICHEFF, M.D. "CATHETER AND MATERIAL SELECTION FOR TRANSARTERIAL EMBOLIZATION: TECHNICAL CONSIDERATIONS" RADIOLOGY, SEPTEMBER 1979; PAGES 631 - 639.					
<i>DR</i>	O.A. BATTISTA, ET AL. JOURNAL OF APPLIED POLYMER SCIENCE 1967 "COLLOIDAL MACROMOLECULAR PHENOMENA. PART II. NOVEL MICROCRYSTALS OF POLYMERS" PAGES 481 - 498.					
EXAMINER <i>DR</i>			DATE CONSIDERED 15 NOV 2000			
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.						

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Sheet 2 of

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		MICRU:49655	685627 09/211,835
		APPLICANT	DANIEL R. KURZ
		FILING DATE	7-25-2004 December 15, 1998
		GROUP	7700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
212	5,336,205	AUGUST 9, 1994	ZENZEN ET AL.			
	5,350,397	SEPTEMBER 27, 1994	PALERMO ET AL.			
	5,354,295	OCTOBER 11, 1994	GUGLIELMI ET AL			
	5,312,415	MAY 17, 1994	PALERMO			
	5,639,277	JUNE 17, 1997	MARIANT ET AL.			
	5,649,949	JULY 22, 1997	WALLACE ET AL.			
	5,222,969	JUNE 29, 1993	GILLIS			
	5,607,445	MARCH 4, 1997	SUMMERS			
	5,667,522	SEPTEMBER 16, 1997	FLOMENBLIT ET AL.			
	5,514,176	MAY 7, 1996	BOSLEY, JR.			
↓	5,582,619	DECEMBER 10, 1996	KEN			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

REFERENCES 212	SADEK K. HILAL, M.D. ET AL. JOURNAL OF NEUROLOGICAL SURGERY "THERAPEUTIC PERCUTANEOUS EMBOLIZATION FOR EXTRA-AXIAL VASCULAR LESIONS OF THE HEAD, NECK AND SPINE" SEPTEMBER, 1975; PAGES 275 - 287.
	STEPHEN L. KAUFMAN, M.D. ET AL. INVESTIGATIVE RADIOLOGY, MAY-JUNE 1978 "TRANSCATHETER EMBOLIZATION WITH MICROFIBRILLAR COLLAGEN IN SWINE"; PAGES 200-204
212	ASHOK J. KUMAR, ET AL., JOURNAL OF NEURORADIOLOGY (1982) "PREOPERATIVE EMBOLIZATION OF HYPERVASCULAR HEAD AND NECK NEOPLASMS USING MICROFIBRILLAR COLLAGEN", PAGES 163 - 168.
	RICHARD E. LATCHAW, M.D. ET AL., RADIOLOGY (1979) "POLYVINYL FOAM EMBOLIZATION OF VASCULAR AND NEOPLASTIC LESIONS OF THE HEAD, NECK AND SPINE" PAGES 669 - 679.
212	STEWART R. REUTER, M.D. ET AL. AMERICAN JOURNAL OF RADIOLOGY, SEPTEMBER 1975 "SELECTIVE ARTERIAL EMBOLIZATION FOR CONTROL OF MASSIVE UPPER GASTROINTESTINAL BLEEDING" PAGES 119 - 126.

EXAMINER	212	DATE CONSIDERED	15 DEC 2000
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Sheet 3 of

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		APPLICANT DANIEL R. KURZ		FILING DATE 7-25-2000 December 15, 1998		GROUP 7700	
		U. S. PATENT DOCUMENTS					
		EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLAS
<i>21</i>	5,362,641	OCTOBER 8, 1996	FLOMENBLIT ET AL.				
	5,549,624	AUGUST 27, 1996	MIRIGIAN ET AL.				
	4,994,069	FEBRUARY 19, 1991	RITCHART ET AL.				
	5,226,911	JULY 13, 1993	CHEE ET AL.				
	5,690,666	NOVEMBER 25, 1997	BERNSTEIN ET AL.				
	5,522,836	JUNE 4, 1996	PALERMO				
	5,569,245	OCTOBER 29, 1996	GUGLIELMI ET AL.				
	4,768,507	SEPTEMBER 6, 1988	FISCHELL ET AL.				
	4,795,458	JANUARY 3, 1989	REGAN				
	4,800,882	JANUARY 31, 1989	GIANTURCO				
	4,813,925	MARCH 21, 1989	ANDERSON, JR. ET AL.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLAS	SUB CLAS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>21</i>	GLENN H. ROBERSON, ET AL., AMERICAN JOURNAL OF RADIOLOGY, OCTOBER 1979 "THERAPEUTIC EMBOLIZATION OF JUVENILE ANGIOFIBROMA" PAGES 657-663						
<i>21</i>	SIDNEY WALLACE, M.D. ET AL., CANCER, OCTOBER 1979 "ARTERIAL OCCLUSION OF PELVIC BONE TUMORS"; PAGES 322-325 & 661-663						
ARTICLES	"MECHANICAL DEVICES FOR ARTERIAL OCCLUSION" BY C. GIANTURCO, M.D., ET AL., JULY 1975 PAGES 428 - 435						
<i>21</i>	"THERAPEUTIC VASCULAR OCCLUSION UTILIZING STEEL COIL TECHNIQUE: CLINICAL APPLICATIONS" BY SIDNEY WALLACE, ET AL., AM J. ROENTGENOL (1976); PAGES 381-387						
<i>21</i>	"TRANSCATHETER INTRAVASCULAR COIL OCCLUSION OF EXPERIMENTAL ARTERIOVENOUS FISTULAS", BY JAMES H. ANDERSON, ET AL., AM. J. ROENTGENOL, NOVEMBER 1977, PAGES 795 -798.						
EXAMINER			DATE CONSIDERED		15 DEC 2000		
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 605. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.							

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		DANIEL R. KURZ				
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December 15, 1998						
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2SL	4,856,516	AUGUST 15, 1989	HILLSTEAD			
	4,957,479	SEPTEMBER 18, 1990	ROEMER			
	4,990,155	FEBRUARY 5, 1991	WILKOFF			
	5,041,084	AUGUST 20, 1991	DeVRIES ET AL.			
	5,133,732	JULY 28, 1992	WIKTOR			
	5,141,502	AUGUST 25, 1992	MACALUSO, JR.			
	5,147,370	SEPTEMBER 15, 1992	McNAMARA ET AL.			
	5,160,341	NOVEMBER 3, 1992	BRENNEMAN ET AL.			
	5,176,625	JANUARY 5, 1993	BRISSON			
	5,183,085	FEBRUARY 2, 1993	TIMMERMANS			
	5,690,643	NOVEMBER 25, 1997	WILAY			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION
						YES
						NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
ARTICLES 2L	"MINI" GIANTURCO STAINLESS STEEL COILS FOR TRANSCATHETER VASCULAR OCCLUSION" BY JAMES H. ANDERSON, ET AL., FROM THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY AT THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER, AUGUST 1978, PAGES 301 - 303.					
	"A NEW IMPROVED COIL FOR TAPERED-TIP CATHETER FOR ARTERIAL OCCLUSION" BY VINCENT P. CHUANG, M.D., ET AL., MAY 1980, PAGES 507 - 509					
EXAMINER 21382	DATE CONSIDERED		15 DEC 2000			
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		APPLICANT	DANIEL R. KURZ
		FILING DATE	7/25/98 December 15, 1998
		GROUP	376 U

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
21	5,624,461	APRIL 29, 1997	MARIANT			
	5,637,113	JUNE 10, 1997	TARTAGLIA ET AL.			
	5,639,277	JUNE 17, 1997	MARIANT ET AL.			
	5,643,254	JULY 1, 1997	SCHELDROUP ET AL.			
	5,676,697	OCTOBER 14, 1997	McDONALD			
	5,234,456	AUGUST 10, 1993	SILVESTRINI			
	5,304,194	APRIL 19, 1994	CHEE ET AL.			
	5,342,387	AUGUST 30, 1994	SUMMERS			
	5,382,259	JANUARY 17, 1995	PHELPS ET AL.			
✓	5,441,516	AUGUST 15, 1995	WANG ET AL.			
	5,443,478	AUGUST 22, 1995	PURDY			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
ZR	1,341,052	MAY 25, 1920	F. G. GALE			
	1,667,730	MAY 1, 1928	J. BIRCHARD GREEN			
	2,078,182	APRIL 20, 1937	A.E. MacFARLAND			
	2,549,335	APRIL 17, 1951	M. RAITHUS			
	3,649,224	MARCH 14, 1972	ANDERSON ET AL.			
	3,334,629	AUGUST 8, 1967	B.D. COHN			
	4,655,771	APRIL 7, 1987	WALLSTEN			
	4,718,907	JANUARY 12, 1988	KARWOSKI ET AL.			
	4,830,003	MAY 16, 1989	WOLFF ET AL.			
	5,071,407	DECEMBER 10, 1991	TERMIN ET AL.			
	4,638,803	JANUARY 27, 1987	RAND			

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Sect. 1. 17

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	592.182	28 JULY, 1925	FRANCE			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
REFERENCES	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 15, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1117 - 1125 (1 OF 2)					
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EXAMINER	DATE CONSIDERED			15 NOV 2000		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/625,627
(use as many sheets as necessary)				Filing Date	July 25, 2000
				First Named Inventor	Daniel R. Kurz
				Group Art Unit	3731
				Examiner Name	William Lewis
				Attorney Docket Number	MICRU:55322
Sheet:	1	of	1		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner initials	Cite No.	<p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>
		INTERNATIONAL SEARCH REPORT DATED MAY 3, 2001

Examiner Signature		Date Considered	3/6/05
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FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number	Kind Code (if Known)			

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		RETRIEVABLE GIANTURCO-COIL INTRODUCER, By Jeffrey Hawkins, Ronald G. Quisling, MD, J. Parker Mickle, MD and Irvin F. Hawkins, MD (Radiology 1986) From the Depts. Of Radiology and Neurosurgery, University of Florida Medical Center and Hawk Prototype Equipment, Gainesville, FL

Examiner Signature		Date Considered	3/6/05
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